

## APPENDIX B

**B-1. Purpose and scope**

The tables presented in this appendix are intended to illustrate the regulatory requirements applicable to the design of land disposal/land treatment facilities

**B-2. Tables**

Table B-1 Summary of RCRA Hazardous Waste Regulations Applicable to TM 5-814-7.

Table B-2. Review of State Hazardous Waste Management Programs.

**Table B-1. Summary of RCRA Hazardous Waste Regulations Applicable to TM 5-814- 7'**

Regulation	Title	Applicable Elements of the Regulation
40 CFR 260	Hazardous Waste Management System: General	<ul style="list-style-type: none"> <li>• Definitions</li> <li>• Petitions for equivalent testing</li> <li>• Petitions to exclude a waste generated at a particular facility</li> </ul>
40 CFR 261	Identification and Listing of Hazardous Waste	<ul style="list-style-type: none"> <li>• Defines hazardous waste and those wastes which are excluded under the broad definition</li> <li>• Recycled or recovered waste exclusion</li> <li>• General hazardous waste characteristics</li> <li>• Lists of hazardous waste</li> </ul>
40 CFR 262	Standards Applicable to Generators of Hazardous Waste	<ul style="list-style-type: none"> <li>• Hazardous waste determination</li> <li>• Recordkeeping and reporting requirements</li> <li>• Procedures for notification of hazardous waste activity</li> </ul>
40 CFR 264 Subpart A	Standards for Owners/Operators of Hazardous Waste Treatment, Storage and Disposal Units	<ul style="list-style-type: none"> <li>• Scope and applicability of the standards</li> <li>• Enforcement in cases of "Imminent Hazard"</li> <li>• Relationship of these standards to the permitting process</li> </ul>
Subpart B	General Facility Standards	<ul style="list-style-type: none"> <li>• Waste analysis requirements</li> <li>• Security</li> <li>• Inspections</li> <li>• Personnel training</li> <li>• Requirements for ignitable, reactive or incompatible waste</li> </ul>
Subpart C	Preparedness and Prevention	<ul style="list-style-type: none"> <li>• General design and operation criteria to prevent unplanned sudden or non-sudden releases of hazardous wastes</li> </ul>
Subpart D	Contingency Plan and Emergency Procedures	<ul style="list-style-type: none"> <li>• Contents of the contingency plan</li> <li>• Emergency procedures for responding to fires, explosions or material release</li> <li>• Definition of personnel responsibilities</li> </ul>
Subpart E	Manifest System, Record-keeping and Reporting	<ul style="list-style-type: none"> <li>• Use of manifest system</li> <li>• Reporting requirements</li> </ul>
Subpart F	Ground-Water Protection	<ul style="list-style-type: none"> <li>• Procedures to identify escape of contaminants from facilities</li> <li>• General ground-water monitoring requirements</li> <li>• Protection standards and allowable concentration limits for permit obtainment</li> <li>• Detection monitoring program</li> <li>• Compliance monitoring program</li> <li>• Corrective action program</li> </ul>
Subpart G	Closure and Post Closure	<ul style="list-style-type: none"> <li>• Establishes closure performance standards</li> <li>• Post-closure care and property use</li> </ul>
Subpart K	Surface Impoundments	<ul style="list-style-type: none"> <li>• Prevention of overtopping</li> <li>• Liner design and materials (DA impoundments are required to have double liners and leak detection or secondary leachate collection systems for non-inspectable installations)</li> <li>• Ground-water monitoring requirements</li> <li>• Run-on/run-off controls</li> <li>• Cap requirements</li> <li>• Closure requirements</li> </ul>
Subpart L	Waste Piles	<ul style="list-style-type: none"> <li>• Liner design and materials (DA waste piles are required to have double liners and leak detection or secondary leachate collection systems for non-inspectable installations)</li> <li>• Leachate collection and removal systems</li> <li>• Ground-water monitoring requirements</li> <li>• Monitoring exemptions</li> </ul>

\* The regulations summarized in this table represent technical and performance standards for hazardous waste units; omitted from the table is 40 CFR 270, which presents the procedural requirements and criteria for the part B permit process.

**Table B-1. Summary of RCRA Hazardous Waste  
Regulations Applicable to TM5-814- 7 (Continued)**

Regulation	Title	Applicable Elements of the Regulation
Subpart M	Land Treatment	<ul style="list-style-type: none"> <li>• Run-on/run-off controls</li> <li>• Special waste controls</li> <li>• Closure/post-closure care</li> <li>• Treatment program performance standards based on treatment zone and waste constituents</li> <li>• Site selection criteria</li> <li>• Soil preparation and care</li> <li>• Run-on/run-off controls and treatment</li> <li>• Wind dispersal controls</li> <li>• Vegetation</li> <li>• Unsaturated zone monitoring requirements               <ul style="list-style-type: none"> <li>-soil-pore liquid tests</li> <li>-chemical make up of soil</li> </ul> </li> </ul>
Subpart N	Landfills	<ul style="list-style-type: none"> <li>• Closure/postclosure care</li> <li>• Design and operating requirements: liners, leachate collection systems, exemption demonstration, run-on or run-off control systems, wind dispersal control</li> <li>• DA landfills are required to have double liners and leak detection or secondary leachate collection systems</li> <li>• Exemption from Subpart F for double-lined units</li> <li>• Monitoring program               <ul style="list-style-type: none"> <li>-detection</li> <li>-compliance</li> <li>-correction</li> </ul> </li> <li>• Inspections</li> <li>• Special requirements for liquid wastes</li> <li>• Special requirements for containerized waste</li> <li>• Closure/post-closure requirements</li> </ul>

US Army Corps of Engineers.

**Table B-2. Review of State Hazardous Waste Management Programs**

State	Universe of Waste <sup>1</sup>	Specific Siting Procedures <sup>2</sup>	Burial Restriction	Policies Discourage Landfilling
Alabama	RCRA		X	
Alaska	RCRA			
Arizona	Equivalent + expanded criteria	X		X
Arkansas	RCRA + PCB's			
California	RCRA + expanded criteria	X		X
Colorado	Equivalent		X	
Connecticut	RCRA by statute	X		X
Delaware	RCRA			
Florida	RCRA by reference	X		X
Georgia	RCRA by reference	X		X
Hawaii	RCRA			
Idaho	RCRA			
Illinois	RCRA + special wastes	X	X	X
Indiana	RCRA	X		X
Iowa	RCRA by reference	X		X
Kansas	RCRA	X		X
Kentucky	RCRA by reference	X		X
Louisiana	RCRA + expanded waste list			
Maine	RCRA	X		X
Maryland	RCRA + PCB's	X	X	X
Massachusetts	RCRA + PCB's, oil, radioactive wastes	X		X
Michigan	RCRA + oil, other toxic wastes	X		X
Minnesota	RCRA + oil	X		X
Mississippi	Equivalent		X	
Missouri	RCRA	X		X
Montana	RCRA			
Nebraska	RCRA by reference	X		

**Table B-2. Review of State Hazardous Waste Management Programs (Continued)**

State	Specific Siting Universe of Waste <sup>1</sup>	Burial Procedures <sup>2</sup>	Policies Discourage Restriction	Landfilling
Nevada	RCRA			
New Hampshire	RCRA	X		X
New Jersey	RCRA + PCB's, oil	X		X
New Mexico	RCRA			
New York	RCRA by statute	X		X
North Carolina	RCRA	X		X
North Dakota	RCRA		X	
Ohio	RCRA	X		X
Oklahoma	RCRA: no recycling exemption		X	
Oregon	Equivalent: no waste listing	X		X
Pennsylvania	Equivalent		X	
Rhode Island	Equivalent: limited listing	X		X
South Carolina	RCRA: no recycling exemption		X	
South Dakota	RCRA			
Tennessee	Equivalent	X		X
Texas	RCRA + halogenated hydrocarbons			
Utah	RCRA		X	
Vermont	Equivalent			
Virginia	RCRA			
Washington	RCRA + expanded waste list	X		
West Virginia	RCRA			X
Wisconsin	RCRA			X
Wyoming	RCRA			

**NOTES:**

1. Universe of Waste: refers to the list of regulated wastes in that state.

RCRA-State program is nearly identical to Federal regulations.

Equivalent-State program is equivalent, but not identical to Federal regulations.

RCRA by reference-State program adopted Federal regulations by reference.

2. Specific Siting Procedures: refers to measure taken by the individual states to ensure new facilities are sited in a manner and location that is acceptable (or tolerable) to local citizenry.

Adapted from Technologies and Management Strategies for Hazardous Waste Control, Office of Technology Assessment, Congress of the US, 1983.